

BIOGRAPHICAL SKETCH - JAMES E. CLOERN

U.S. Geological Survey
MS496, 345 Middlefield Rd., Menlo Park, CA 94025
Voice: 650 329 4594 jcloern@usgs.gov

Education

University of Wisconsin-Madison, B.S. 1970, Zoology
University of Wisconsin-Milwaukee, M.S. 1973, Zoology
Washington State University, Ph.D. 1976, Zoology

Professional Experience

2005	Chercheur Associé, Centre National de la Recherche Scientifique, Brest, France
2005	Instructor, Ecole Doctorale, Université de Bretagne Occidentale, Brest, France
1999-present	Senior Research Scientist (ST3104), U.S. Geological Survey
1976-1999	Research Scientist, U.S. Geological Survey, Menlo Park, CA
1997-1998	Lecturer, University of California-Santa Cruz, Department of Earth Sciences
1997-present	Consulting Professor, Stanford University, Department of Civil Engineering
1993	Distinguished Visiting Scientist, National Institute of Water and Atmospheric Research, Hamilton, New Zealand
1993-1994	Directeur de Recherche, Université d'Aix-Marseille II, France
1974-1976	Teaching Assistant, Washington State University.
1972-1973	Teaching Assistant, University of Wisconsin-Milwaukee

Research Interests

Ecology and biogeochemistry of aquatic ecosystems, focused around a long term (29-year) investigation of San Francisco Bay that has included study of: primary production, algal and zooplankton community dynamics, plankton diversity, net ecosystem metabolism, carbon budgets, resource limitation of algal growth, grazing by benthic suspension feeders, disturbance by introduced species, impacts of climatic/hydrologic variability, mechanisms and biogeochemical significance of algal blooms, benthic and pelagic nutrient regeneration, stable isotopes and lipid biomarkers to characterize sources of organic matter, coastal eutrophication, and ecosystem variability at time scales from hours to decades and spatial scales from thin layers to watersheds.

Awards

Golden Screen Award, National Association of Government Communicators, for the documentary "Delta Revival: Restoration of a California Ecosystem", 2003
U.S. Department of Interior Distinguished Service Award, 2000
U.S. Federal Senior Scientist ST3104, 1999
USGS Shoemaker Communications Award, 1998
Fulbright Research Scholar, 1993-94 (Centre d'Océanologie de Marseille)
U.S. Department of Interior Meritorious Service Award, 1991

Postdoctorates

Dr. Linda Huzzey, 1987-1989; currently Professor, U.S. Coast Guard Academy
Dr. Richard L. Miller, 1984-1986; currently Research Scientist, NASA, Stennis Space Center

- Dr. Jane Caffrey, 1992-1993; currently Assistant Professor, University of West Florida
 Dr. Joseph Rudek, 1992-1993; currently Staff Scientist, Environmental Defense
 Dr. Elizabeth Canuel, 1992-1994; currently Professor, Virginia Institute of Marine Science
 Dr. Lisa Lucas, 1998-2000; currently Research Scientist, U.S. Geological Survey; recipient of the 2003 Cronin Award for Early in Career Achievement of the Estuarine Research Federation
 Dr. William Sobczak, 1999-2001; currently Associate Professor, College of Holy Cross; recipient of the 2004 Raymond Lindeman Award of the American Society of Limnology and Oceanography
 Dr. Jean-Marc Guarini, 1999-2000; Professor, Université de Paris VI, Laboratoire d'Océanographie Biologique de Banyuls, France
 Dr. Laurent Chauvaud, 1999-2000; currently Research Scientist, CNRS, Institut Universitaire Européen de la Mer, Brest, France
 Dr. Nancy Monsen, 2000-2006; currently Research Scientist, U.S. Geological Survey

Graduate Thesis Committees/External Examiner

- Bertrand Millet, Université d'Aix-Marseille II, France, 1992 (Habilitation)
 Anne Lefebvre, Université de Montpellier II, France, 1993 (MS)
 Kedong Yin, University of British Columbia, Canada, 1993 (PhD)
 Frederic Jean, Université de Bretagne Occidentale, Brest, France, 1994 (PhD)
 Olivier Ragueneau, Université de Bretagne Occidentale, Brest, France, 1994 (PhD)
 Nabila Mazouni, Université d'Aix-Marseille II, France, 1995 (PhD)
 Jody Edmunds, Moss Landing Marine Laboratories, 1997 (MS)
 Lisa Lucas, Stanford University, 1997 (PhD)
 Laurent Chauvaud, Université de Bretagne Occidentale, Brest, France, 1998 (PhD)
 Anne Lorrain, Université de Bretagne Occidentale, Brest, France, 2002 (PhD)
 Christopher Carter, University of Canterbury, New Zealand, 2004 (PhD)
 Christine May, Stanford University, 2005 (PhD)
 Stephanie Moore, University of New South Wales, Australia, 2005 (PhD)
 Olivier Ragueneau, Université de Bretagne Occidentale, Brest, France, 2005 (Habilitation)
 Christel Pinazo, Université d'Aix-Marseille II, France, 2005 (Habilitation)
 Laurent Chauvaud, Université de Bretagne Occidentale, Brest, France, 2005 (Habilitation)
 Sophie Martin, Université de Bretagne Occidentale, Brest, France, 2005 (PhD)
 Julien Thebault, Université de Bretagne Occidentale, Brest, France, 2005 (PhD)

Scientific/Technical Advisory Committees (examples)

- Programme rade de Brest, Committee of International Experts, Brest, France 1992-1994
 National Science Foundation, Panelist, Land-Margin Ecosystems and Research, 1992
 Florida Bay Science Oversight Panel, 1996-1998
 USGS, Strategic Change Team, Workshop One Bureau, One Mission, Reston, VA 1999
 CALFED Bay-Delta Program, multiple programs (San Joaquin River water quality, Delta Cross Channel and Salmon Migrations, Environmental Water Account), 2002-2004
 National Science Foundation, Panelist, Cooperative Activities in Environmental Research between the National Science Foundation and the European Commission, 2003
 Heinz Center, Reviewer, *State of the Nation's Ecosystems*, 2002-2003

California Coastal Conservancy, South Bay Salt Pond Restoration Project, 2004
USEPA STAR Grant Program, Environmental Indicators in the Estuarine Environment,
Scientific Advisory Committee, 2004
NOAA, Coastal Ocean Research, Panelist, Ecological Forecasting, 2004
USGS, Tampa Bay Studies Program, Science Advisory Committee, 2004-
USEPA, National Nutrient Criteria Program, Experts Workgroup, 2005-

Scientific Societies

Editorial Board, *Limnology and Oceanography*, 1989-1992
Associate Editor, *Estuaries*, 1989-1994
Associate Editor, *Oceanologica Acta*, 1999-2004
Estuarine Research Federation, Program Chair, Biennial Meeting, 1991, San Francisco
American Society of Limnology and Oceanography, Steering Committee Aquatic
Sciences Meeting, Santa Fe NM 1997
Limnology and Oceanography, Outstanding Reviewer, 2004
American Society of Limnology and Oceanography, Session Organizer, ASLO/TOS Ocean
Research Conference, Honolulu, HI 2004
Limnology and Oceanography, Associate Editor, 2004-2005
Estuarine Research Federation, Selection Committee, Odum Lifetime Achievement Award,
2005
8th International Conference on Shellfish Restoration, Scientific Program Committee and
Session Chair, Brest, France, 2005
Estuarine Research Federation, 2007 Program Advisory Council

Online Presentations

Delta Revival -- Restoration of a California Ecosystem
[mms://video.wr.usgs.gov/science/may04.wmv](http://video.wr.usgs.gov/science/may04.wmv)

A Brief Guide to Scientific Writing and Publishing:
<http://sfbay.wr.usgs.gov/access/wqdata/presentations/sciencewriting.html>